

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A display apparatus having a characteristic that power consumption therein varies in accordance with variation of brightness of a displayed image and arranged in such a manner that a video signal is temporarily stored on storage means and the video signal is read out of thesaid storage means to be displayed thereon, said display apparatus comprising:

storage means; and

current limiting means for obtaining a quantity of a limited electric current in a period of time between when the video signal is temporarily stored on ~~saidthe~~ storage means and the video signal is read out of ~~saidthe~~ storage means to be displayed on said display devicethereon, said current limiting means operatively connected to the storage means, said current limiting means being arranged to obtain the quantity of the limited electric current in accordance with ~~an averagea~~ value derived from ~~of~~ unfiltered brightness levels of the video signals obtained from the video signals before the video signals are stored in said storage means and a ~~predetermined~~ reference value.

2.-9. (Cancelled).

10. (Currently Amended) A display apparatus having a characteristic that power consumption therein varies in accordance

with variation of brightness of a displayed image and arranged in such a manner that a video signal is temporarily stored on storage means and the video signal is read out of said storage means to be displayed thereon, said display apparatus comprising:

storage means; and

current limiting means for obtaining a quantity of a limited electric current in a period of time between the video signal is temporarily stored on said storage means and the video signal is read out of said storage means to be displayed on said display apparatusthereon,

said current limiting means being arranged to divide a frame into a plurality of blocks, obtain ~~an average~~ a value derived from ~~of~~ brightness levels of video signals in the block, and obtain local contrast in the frame so as to obtain the quantity of the limited electric current on the basis of a predetermined reference value and said~~the~~ local contrast.

11. (New) A display apparatus having a characteristic that power consumption therein varies in accordance with variation of brightness of a displayed image and arranged in such a manner that a video signal is temporarily stored in a memory and the video signal is read out of the memory to be displayed thereon, said display apparatus comprising:

a current limiter operatively connected to an input part that receives the video signal,

said current limiter being arranged to obtain a quantity of a limited electric current in a period of time between when the video signal is temporarily stored in the memory and when the video signal is read out of the memory, and

said current limiter being arranged to obtain the quantity of a limited electric current using a reference value and an average value of brightness levels of the video signals obtained from the video signals before the video signals are stored in the memory.

12. (New) A display apparatus having a characteristic that power consumption therein varies in accordance with variation of brightness of a displayed image and arranged in such a manner that a video signal is temporarily stored in a memory and the video signal is read out of the memory to be displayed thereon, said display apparatus comprising:

a current limiter operatively connected to an input part that receives the video signal,

said current limiter being arranged to receive the video signal before it is stored in the memory, said current limiter being arranged to obtain a quantity of a limited electric current in a period of time between when the video signal is temporarily stored in the memory and when the video signal is read out of the

memory, and said current limiter being arranged to obtain said quantity of a limited electric current using a reference value and a value that is derived from brightness levels of the video signal.

13. (New) The display apparatus of claim 12, wherein

said current limiter is further arranged to obtain a proportionality term, and arranged to obtain the quantity of a limited electric current using said proportionality term.

14. (New) The display apparatus of claim 13, wherein

said current limiter is further arranged to use a non-response region in obtaining the quantity of a limited electric current.

15. (New) The display apparatus of claim 13, wherein

said current limiter is further arranged to use a hysteresis characteristic in obtaining the quantity of a limited electric current.

16. (New) The display apparatus of claim 13, wherein

said current limiter is further arranged to use a non-response region and a hysteresis characteristic in obtaining the quantity of a limited electric current.

17. (New) A display apparatus having a characteristic that power consumption therein varies in accordance with variation of brightness of a displayed image and arranged in such a manner that a video signal is temporarily stored in a memory and the video signal is read out of the memory to be displayed thereon,

said display apparatus comprising:

a current limiter, wherein said current limiter is arranged to obtain a quantity of a limited electric current in a period of time between when the video signal is temporarily stored on the memory and when the video signal is read out of the memory, wherein said current limiter is arranged to obtain the quantity of a limited electric current using a reference value and a local contrast in a frame, and wherein said current limiter is arranged to divide the frame into a plurality of blocks, obtain an average value of brightness levels of video signals in a block, and obtain the local contrast in the frame.

18. (New) A display apparatus having a characteristic that power consumption therein varies in accordance with variation of brightness of a displayed image and arranged in such a manner that a video signal is temporarily stored in a memory and the video signal is read out of the memory to be displayed thereon,

said display apparatus comprising:

a current limiter, wherein said current limiter is arranged to obtain a quantity of a limited electric current in a period of time between when the video signal is temporarily stored in the memory and when the video signal is read out of the memory, and wherein said current limiter is arranged to obtain the quantity of a limited electric current using a reference value and an average value related to the video signals.

19. (New) The display apparatus of claim 18, wherein said average value related to the video signals is the average value of brightness levels of the video signals obtained from the video signals.

20. (New) The display apparatus of claim 18, wherein said average value related to the brightness is a local contrast in a frame, and wherein said current limiter is arranged to divide the frame into a plurality of blocks, obtain an average value of brightness levels of video signals in a block, and obtain the local contrast in the frame.

21. (New) A display apparatus having a characteristic that power consumption therein varies in accordance with variation of brightness of a displayed image and arranged in such a manner that a video signal is temporarily stored in a memory and the video

signal is read out of the memory to be displayed thereon, said display apparatus comprising:

a current limiter, wherein said current limiter is operatively connected to the memory, wherein said current limiter is arranged to obtain a quantity of a limited electric current in a period of time between when the video signal is temporarily stored on the memory and when the video signal is read out of the memory, wherein said current limiter is arranged to obtain the quantity of a limited electric current using a reference value and a local contrast in a frame, and wherein said current limiter is arranged to divide the frame into a plurality of blocks, obtain a value derived from brightness levels of video signals in the block, and thus obtain the local contrast in the frame.

22. (New) A display apparatus having a characteristic that power consumption therein varies in accordance with variation of brightness of a displayed image and arranged in such a manner that a video signal is temporarily stored in a memory and the video signal is read out of the memory to be displayed thereon, said display apparatus comprising:

a current limiter operatively connected to the memory, wherein said current limiter is arranged to obtain a quantity of a limited electric current in a period of time between when the video signal is temporarily stored in the memory and when the video

signal is read out of the memory, and wherein said current limiter is arranged to obtain the quantity of a limited electric current using a reference value and a value derived from the video signals.

23. (New) The display apparatus of claim 22, wherein said value derived from the video signals is a value derived from brightness levels of the video signals.

24. (New) The display apparatus of claim 22, wherein said value derived from the video signals is a local contrast in a frame, and wherein said current limiter is arranged to divide the frame into a plurality of blocks, obtain a value derived from brightness levels of video signals in the block, and obtain the local contrast in the frame.